**Challenge: Multi-Language Customer Feedback Analysis**

This Cortex-only challenge uses the TRANSLATE and SUMMARIZE functions from Snowflake Cortex to process multi-language customer feedback. Participants will analyze unstructured, multilingual review data to translate it into English and generate summaries — entirely within SQL.

**🎯 Attendee Instructions**

**🧪 Objective**

Analyze and summarize multi-language customer reviews:

* Translate all feedback into English
* Generate concise summaries for reporting or analysis

**📁 Provided**

* Snowflake schema:  challenge\_003\_setup
* Preloaded table:
  + challenge\_003\_setup. customer\_feedback\_en\_inflated
  + challenge\_003\_setup. customer\_feedback\_es\_inflated
  + challenge\_003\_setup. customer\_feedback\_fr\_inflated
  + challenge\_003\_setup. customer\_feedback\_de\_inflated
  + challenge\_003\_setup. customer\_feedback\_ja\_inflated
* Table columns:
  + review\_id (INT)
  + review\_text (STRING, contains multilingual text)

**✅ Tasks**

1. **Run Cortex translation and summarization in SQL**

**🧾 Deliverables**

* Query returning review\_id, review\_text, english\_translation, and summarized

**🧑‍🏫 Booth Helper Guide**

**✅ Verified Table**

* challenge\_003\_setup. customer\_feedback\_en\_inflated
* challenge\_003\_setup. customer\_feedback\_es\_inflated
* challenge\_003\_setup. customer\_feedback\_fr\_inflated
* challenge\_003\_setup. customer\_feedback\_de\_inflated
* challenge\_003\_setup. customer\_feedback\_ja\_inflated
* 1 rows of data per table

**✅ Cortex Functions Used**

* TRANSLATE(text, '', 'en') for implicit language detection and translation
* SUMMARIZE(translated\_text) to extract meaningful summaries

**✅ Solution**

A computer screen with white text

AI-generated content may be incorrect.

**💬 Example Output**

**A screenshot of a computer

AI-generated content may be incorrect.**